specimens, amongst them a pair of dissipated-looking *Ardeola grayi* from Madras. In the Chinese quarter the most prominent object is the large boat, with a dozen or so of Chinese Cormorants (apparently *Phalacrocorax carbo*) ready for fishing; but as regards the rest of the exhibit, we are irresistibly reminded of the well-known opinion of Bret Harte when we see a Magpie and some other Passeres, a Coot, an Avocet, some Ducks, a Swan, and a conventional show-case of *Larus ridibundus* and its young put forth as representatives of the fish-eaters of the Celestial Empire.

In the long galleries on either side of and behind the Conservatory are a number of cases exhibited by various bird-stuffers, one of whom contributes a group containing, amongst other things, a Dipper with a small fish in its bill! Mr. Gunn, of Norwich, has a series of cases, some of them containing specimens of rare visitors which have promptly been slain on arrival to make the joy of some collector of "British-killed" birds; and there are others containing more or less accurately rendered family groups, although it may be allowable to demur to a *Sterna minuta* hovering over a clutch of *four* eggs. As regards the rest of the British section, it may be well to imitate the filial piety of the patriarchs, and, discreetly walking backwards, drop the mantle of oblivion over the nakedness of the fatherland.

XXXII.—*A Review of the Species of the Family* Icteridæ.—Part II. Icterinæ. By P. L. Sclater, M.A., Ph.D., F.R.S.

(Plate XI.)

[Continued from p. 163.]

Shorn of the Cassiques, the Icterinæ, according to my views, contain only one large genus, *Icterus*, which, however, it is possible, for convenience' sake, to divide into three sections—*Hyphantes*, *Pendulinus*, and *Icterus*. But I quite agree with the distinguished authors of the 'History of North-American Birds'*, that it is "exceedingly difficult to arrange these

* Op. cit. vol. ii. p. 180.

birds in any sharply defined sections," and that it is better "to consider them all under the single genus '*Icterus*'".

The synonyms of this genus are as follows:—

Icterus.

Icterus, Brisson, Orn. ii. p. 85 (1760): type *I. vulgaris*.
Pendulinus, Vieill. Analyse, p. 33 (1816): type *I. spurius*.
*Hyphantes**, Vieill. ibid.: type *I. baltimore*.
Bananivorus, Bp. C. R. xxxvii. p. 834, et Notes Orn. p. 12 (1854): type *I. spurius*.
Euopsar, Cass. Pr. Acad. Phil. 1867, p. 47: type *I. croconotus*.
Andriopsar, Cass. op. cit. p. 49: type *I. gularis*.
Ateleopsar, Cass. op. cit. p. 53: type *I. melanocephalus*.
Cassiculoides, Cass. op. cit. p. 54: type *I. parisorum*.
Poliopsar, Cass. op. cit. p. 55: type *I. wagleri*.
Melanopsar, Cass. op. cit. p. 56: type *I. chrysocephalus*.
Icterioides, Cass. op. cit. p. 61: type *I. auricapillus*.
Aporophantes, Cass. op. cit. p. 63: type *I. pyrrhopterus*.

Following Messrs. Baird, Brewer, and Ridgway, I will shortly define the three subgenera as follows:—

A. *Hyphantes*. Bill stout, conical, the culmen and gonys straight; tail slightly rounded: type *I. baltimore*.

B. *Pendulinus*†. Bill slender, slightly decurved; tail graduated: type *I. spurius*.

C. *Icterus*. Bill stout, conical, the culmen and gonys nearly straight; tail slightly rounded: type *I. vulgaris*.

* Corrected from *Yphantes*, as written by Vieillot.

† *Xanthornus* is used by Messrs. Baird, Brewer, and Ridgway, and by other authors, for this subgenus. But *Xanthornus* was first employed generically by Scopoli (Deliciæ, ii. p. 88) in 1786 for his *Xanthornus holosericeus*, and would therefore be (strictly) synonymous with *Amblyrhamphus*. In 1800 Cuvier used the same term as an equivalent of the French "*Carouges*" (Leçons d'Anat. Comp. vol. ii. table 2), but without further indicating the type. It seems to me that, under the circumstances, *Pendulinus* is the proper term for the section, as employed by Cassin (Pr. Acad. Sc. Phil. 1867, p. 54).

A. Subg. Hyphantes.

Clavis specierum.

a. Uropygio flavo,
lateribus capitis nigris ..... (1) *baltimore.*
lateribus capitis flavis ..... (2) *bullocki.*
b. Uropygio nigro ..... (3) *abeillæi.*

1. Icterus baltimore.

Oriolus baltimore, Linn. S. N. i. p. 162; Wils. Am. Orn. i. p. 23, pl. 1, et vi. pl. 53.

Icterus baltimore, Daud. Tr. d'Orn. ii. p. 348; Baird, B. N. Am. p. 548; Scl. et Salv. Nomencl. p. 36, et P. Z. S. 1864, p. 353 (Panama); Scl. P. Z. S. 1864, p. 175; Baird, Brewer, et Ridg. N. A. B. ii. p. 195; Salv. et Godm. Ibis, 1880, p. 123 (Santa Marta).

Yphantes baltimore, Vieill. Enc. Méth. p. 708, et Gal. Ois. i. p. 124, pl. 87; Bp. Consp. p. 432.

Icterus baltimorensis, Bp. P. Z. S. 1837, p. 116; Sclat. et Salv. Ibis, 1859, p. 20; P. Z. S. 1870, p. 836; Scl. P. Z. S. 1867, p. 279 (Mosquitia); Cat. A. B. p. 130; Salv. P. Z. S. 1867, p. 142, et 1870, p. 190 (Veragua).

Hyphantes baltimorensis, Sclater, P. Z. S. 1859, pp. 57, 365.

Hyphantes baltimore, Cab. J. f. O. 1856, p. 10 (Cuba), 1861, p. 7 (Costa Rica); Cassin, Pr. Ac. Sc. Phil. 1867, p. 62.

Icterus galbula, Coues et auctt. Am. recent. (ex Linn.).

Aurantiacus, capite undique cum gulâ et dorso superiore nigris; alis nigris, tectricum majorum apicibus et remigum marginibus externis albis; tectricibus minoribus et campterio aurantiacis; subalaribus flavis; remigum marginibus internis albis; caudâ nigrâ, hujus basi et rectricum lateralium apicibus latis aurantiacis; rostro plumbeo, pedibus nigris: long. tota 7·02, alæ 3·8, caudæ 3·1. *Fem.* Coloribus valdè dilutioribus diversa, colore nigro aut absente aut maculis solùm indicato.

Hab. N. America from Atlantic coast to high central plains, south to Panama and Sierra Nevada of Santa Marta.

Mus. P. L. S. et S.-G.

2. Icterus bullocki.

Xanthornus bullockii, Sw. Phil. Mag. 1827, i. p. 436.

Icterus bullockii, Aud. Orn. Biogr. v. p. 9; Baird, B. N. Am. p. 549; Scl. Cat. A. B. p. 130; Scl. et Salv. P. Z. S. 1869, p. 362 (Mexico); et Ex. Orn. p. 188; Baird, Brewer, et Ridg. N. A. B. ii. p. 199.

Yphantes bullockii, Bp. Consp. p. 432.

Hyphantes bullockii, Cassin, Pr. Ac. Sc. Phil. 1867, p. 62.

Aurantiaco-flavus; pileo, dorso superiore, loris et lineâ per oculos ductâ cum gulâ nigris; alis nigris, tectricibus minoribus et mediis et remigum marginibus externis albis; campterio alari et subalaribus flavis; remigum marginibus internis albicantibus; caudæ flavæ rectricibus quatuor mediis fere totis nisi ad basin nigris, ceteris plus minusve nigro terminatis; rostro obscurè plumbeo; pedibus nigris: long. tota 7·0, alæ 3·7, caudæ 3·0.

Hab. Pacific slope of N. America from Oregon to Mexico; nr. city of Mexico (*le Strange*).

Mus. P. L. S. et S.-G.

Obs. Species a præcedente lateribus capitis flavis et tectricibus mediis latè albis dignoscenda.

3. Icterus abeillæi.

Psarocolius coztototl, Wagler, Ibis, 1829, p. 157 (?).

Xanthornus abeillei, Less. Rev. Zool. 1839, p. 101.

Icterus abeillii, Sclater, P. Z. S. 1860, p. 252 (Orizaba), 1864, p. 175, et Cat. A. B. p. 130; Scl. et Salv. P. Z. S. 1869, p. 362, et Ex. Orn. p. 187, pl. xciv.

Hyphantes abeillii, Cassin, Pr. Ac. Sc. Phil. 1867, p. 62.

Icterus bullocki, var. *abeillei*, Baird, Brewer, et Ridg. N. A. B. ii. p. 184.

Suprà nigerrimus, alarum tectricibus mediis et remigum marginibus externis albis; lineâ inter nares et oculum et corpore medio subtùs flavissimis, gulâ mediâ et lateribus nigris; subalaribus flavis; remigum marginibus internis cinerascenti-albis; caudæ flavæ rectricibus duabus mediis totis cum paris proximi pogoniis internis et ceterarum maculis terminalibus nigris: long. tota 7·2, alæ 4·2, caudæ 3·2. *Fem.* Suprà olivaceo-flava, interscapulio et alis extùs nigricantibus, his albo bifasciatis et limbatis; subtùs flavescens, ventre medio et subalaribus griseo-albicantibus; caudâ olivaceo-flavâ, versus apicem grisescente.

Hab. Central and Southern Mexico (terra fria): Orizaba (*Boucard*); city of Mexico (*G. H. White*).

Mus. P. L. S. et S.-G.

Obs. Species uropygio toto et lateribus corporis subtùs nigris a duabus præcedentibus distinctissima.

It passes my comprehension why this species should be regarded as a variety (!) of *I. bullocki.* No ornithologist who had seen a specimen of it could, I think, make such a mistake as to unite the two birds.

B. Subg. Pendulinus.

Clavis specierum.

a. Abdomine toto castaneo,
- pileo nigro ..... (4) *spurius.*
- pileo castaneo ..... (5) *bonana.*

b. Abdomine toto nigro,
- campterio rufo ..... (6) *pyrrhopterus.*
- campterio flavo,
  - pileo flavo ..... (7) *chrysocephalus.*
  - pileo nigro,
    - tibiis nigris ..... (8) *cayanensis.*
    - tibiis flavis ..... (9) *tibialis.*

c. Ventre nigro, crisso flavo,
- hypochondriis nigris ..... (10) *hypomelas.*
- hypochondriis flavis ..... (11) *dominicensis.*

d. Ventre medio nigro,
- imo flavo ..... (12) *portoricensis.*
- imo aurantiaco ..... (13) *laudabilis.*

e. Ventre toto flavo aut aurantiaco,
- suprà nigri: dorso postico flavo,
  - campterio nigro ..... (14) *oberi.*
  - campterio flavo,
    - crisso nigro ..... (15) *wagleri.*
    - crisso flavo,
      - caudâ nigrâ,
        - alis extùs nigris ..... (16) *prosthemelas.*
        - alis albo maculatis ..... (17) *maculi-alatus.*
      - caudæ dimidio basali flavo .... (20) *parisorum.*
- suprà flavi, pileo nigro,
  - rem. extùs nigris ..... (21) *melanocephalus.*
  - rem. marg. albis ..... (22) *auduboni.*
- suprà flavi, interscapulio nigro,
  - campterio nigro ..... (19) *cucullatus.*

campterio flavo,
rectr. totis nigris ..... (18) *auricapillus.*
rect. med. nigris ext. flavis..... (24) *mesomelas.*
rectr. nigris ext. albo terminatis .. (25) *grace-annæ.*
suprà omnino flavi,
alis extùs nigris ..... (23) *giraudi.*
alis extùs albo limbatis,
tectr. mediis nigris ..... (26) *xanthornus.*
tectr. mediis albo terminatis ..... (27) *auratus.*

4. Icterus spurius.

Oriolus spurius, Linn. S. N. i. p. 162.

Icterus spurius, Aud. Orn. Biogr. i. p. 221; Sclater, P. Z. S. 1859, p. 380, et Cat. A. B. p. 130; Scl. et Salv. P. Z. S. 1864, p. 353 (Panama), et 1870, p. 837 (Honduras); Nom. Av. Neotr. p. 36; Dresser, Ibis, 1865, p. 493 (Texas); Lawr. Ann. Lyc. N. Y. 1861, p. 331 (Panama); Salv. P. Z. S. 1867, p. 142 (Veragua); Baird, Brewer, et Ridgw. N. A. B. ii. p. 190; Baird, B. N. Am. p. 547.

Yphantes spurius, Bp. Consp. p. 432.

Oriolus mutatus, Wils. Am. Orn. i. p. 64, pl. 4. f. 1–4.

Pendulinus spurius, Cass. Pr. Ac. Sc. Phil. 1867, p. 61.

Xanthornus spurius, Cab. J. f. O. 1861, p. 8 (Costarica).

Xanthornus affinis, Lawr. Ann. Lyc. N. Y. 1851, p. 113; Cassin, Pr. Ac. Sc. Phil. 1860, p. 140; Sclat. et Salv. Ibis, 1859, p. 20, et 1860, p. 34.

Bananivorus affinis, Sclater, P. Z. S. 1856, p. 301, et 1859, p. 365 (Cordova).

Icterus affinis, Scl. Cat. A. B. p. 130; P. Z. S. 1864, p. 175 (Mexico city).

Pendulinus affinis, Cass. Pr. Ac. Sc. Phil. 1867, p. 91 (Rio Atrato).

Suprà niger, tectricibus alarum minoribus et dorso postico castaneis; alis nigris, remigibus et tectricibus mediis angustè albo limbatis; subtùs castaneus, gutture toto nigro; subalaribus ventri concoloribus; caudâ nigrâ, rectricum apicibus angustè albido terminatis; rostro et pedibus nigris: long. tota 7·3, alæ 3·2, caudæ 3·1. *Fem.* Olivacea, subtùs flavicans, alis extùs nigricantibus albo marginatis.

Hab. North America, Atlantic slope, south to Panama and Northern States of Colombia: Rio Atrato (*Michler*).

Mus. P. L. S. et S.-G.

The *resident* birds of this species in Texas and Mexico (*I. affinis*) are considerably smaller in size.

5. Icterus bonana.

Orilus bonana, Linn. S. N. i. p. 162.

Le Carouge, Daub. Pl. Enl. 535. fig. 1.

Icterus bonana, Daud. Tr. d'Orn. ii. p. 332; Lawr. Pr. U.S. N. M. i. p. 355; Scl. Cat. A. B. p. 130; Scl. et Salv. Nomencl. p. 36; Taylor, Ibis, 1864, p. 167.

Pendulinus bonana, Vieill. N. D. v. p. 316; Bp. Consp. p. 432; Cassin, Pr. Ac. Sc. Phil. 1867, p. 54.

Xanthornus bonana, Cab. Mus. Hein. p. 183.

Suprà niger, capite et cervice tota saturatè badiis; dorso postico aurantiaco; subtùs castaneus, gutture et pectore badiis capiti concoloribus; subalaribus et tibiis aurantiacis; crisso nigro terminato; rostro et pedibus nigris: long. tota 7·5, alæ 3·7, caudæ 3·5. *Fem.* Mari similis.

Hab. Martinique (*Taylor*).

Mus. P. L. S. et S.-G.

6. Icterus pyrrhopterus.

Tordo Negro cobijas de Canela, Azara, Apunt. i. p. 318.

Agelaius pyrrhopterus, Vieill. Nouv. Dict. xxxiv. p. 543, et Enc. Méth. p. 716.

Psarocolius pyrrhopterus, Wagl. Syst. Av.

Pendulinus periporphyrus, Bp. Consp. p. 432.

Hyphantes pyrrhopterus, Cassin, Pr. Ac. Sc. Phil. 1867, p. 63; Pelz. Orn. Bras. p. 194.

Xanthornus pyrrhopterus, Burm. La Plata-Reise, ii. p. 493.

Icterus pyrrhopterus, d'Orb. et Lafr. Syn. Av. ii. p. 6; Scl. Cat. A. B. p. 130; Scl. et Salv. Nomencl. p. 36; P. Z. S. 1868, p. 140 (Conchitas, rep. Arg.), 1879, p. 608 (Tilotilo, Boliv.); Hudson, P. Z. S. 1870, p. 88; Durnford, Ibis, 1878, p. 59; Salvin, Ibis, 1880, p. 356 (Salta).

Nigerrimus, tectricibus alarum minoribus saturatè castaneis; rostro et pedibus nigris: long. tota 7·7, alæ 3·6, caudæ 3·8. *Fem.* Mari similis.

Hab. S. Brazil, Paraguay, Argentine Republic, and Bolivia; Cuyaba and Goiaz (*Natt.*); Tilotilo, Bolivia (*Buckley*); Corrientes (*d'Orb.*); Buenos Ayres (*Hudson*).

Mus. P. L. S. et S.-G.

7. Icterus chrysocephalus.

Oriolus chrysocephalus, Linn. S. N. i. p. 164.

Gracula chrysoptera, Merr. Icon. Av. pl. 3.

Pendulinus chrysocephalus, Vieill. Gal. Ois. pl. 86; Bp. Consp. p. 432; Cass. Pr. Ac. Sc. Phil. 1867, p. 56; Pelz Orn. Bras. i. p. 194.

Xanthornus chrysocephalus, Cab. Mus. Hein. p. 184; Burm. Syst. Ueb. iii. p. 270.

Icterus chrysocephalus, Daud. Tr. d'Orn. ii. p. 336; Spix, Av. Bras. i. p. 68, pl. 67. f. 1; Scl. Cat. A. B. p. 131; Cab. in Schomb. Guian. iii. p. 680; Scl. et Salv. Nomencl. p. 36; P. Z. S. 1866, p. 182, et 1873, p. 266 (Ucayali).

Psarocolius icterocephalus, Wagl. Syst. Av. sp. 20.

Nigerrimus; pileo, nisi in fronte, tectricibus superioribus minoribus, subalaribus et uropygio flavis; rostro et pedibus nigris; caudâ graduatâ: long. tota 8·5, alæ 4·3, caudæ 3·9. *Fem.* Mari similis.

Hab. Colombia, Venezuela, Guiana, and Amazonia: Caracas (*Goering*); British Guiana (*Whitely*); Rio Negro (*Natt.*); Ucayali (*Bartlett*); Sarayacu, Ecuador (*Buckley*); Bogota (*Mus. P. L. S.*).

Mus. P. L. S. et S.-G.

8. Icterus cayanensis.

Oriolus cayanensis, Linn. S. N. i. p. 168.

Icterus cayanensis, Daud. Tr. d'Orn. ii. p. 336; Max. Beitr. iii. p. 1204; Sw. Zool. Ill ser. 2, pl. 22; Scl. Cat. A. B. p. 131; Scl. et Salv. Nomencl. p. 36; P. Z. S. 1867, p. 573 (Lower Amazons), 1873, p. 266 (Ucayali).

Pendulinus cayanensis, Bp. Consp. p. 433; Darw. Voy. Beagle, Zool. iii. p. 106; Cassin, Pr. Ac. Phil. 1867, p. 57.

Agelaius chrysopterus, Vieill. Nouv. Dict. xxxiv. p. 539, et Enc. Méth. p. 713 (partim).

Xanthornus chrysopterus, Burm. Syst. Ueb. iii. p. 271.

Nigerrimus, tectricibus alarum minoribus flavis; subalaribus nigris flavo mixtis; rostro et pedibus nigris; caudâ graduatâ: long. tota 7·5, alæ 4·1, caudæ 3·8. *Fem.* Mari similis.

Hab. Guiana and Amazonia: Cayenne (*Mus. P. L. S.*); Lower Amazons (*Wallace*); Ucayali (*Bartlett*).

Mus. P. L. S. et S.-G.

9. Icterus tibialis.

Icterus cayanensis, Max. Beitr. iii. p. 1204.

Xanthornus flavaxilla, Hahn u. Küster, Vög. aus Asien, Lief. vi. p. 1, t. 2 (?).

Icteris tibialis, Sw. An. in Men. p. 302; Scl. et Salv. Nomencl. p. 36; Salvin, Cat. Coll. Strickl. p. 263; Forbes, Ibis, 1881, p. 339.

Pendulinus tibialis, Cassin, Pr. Ac. Sc. Phil. 1867, p. 57.

Xanthornus chrysopterus, Burm. Syst. Ueb. iii. p. 271 (excl. syn.).

Nigerrimus, tectricibus alarum minoribus, subalaribus et tibiis flavis; rostro et pedibus nigris; caudâ graduatâ: long. tota 7·5, alæ 3·6, caudæ 3·7. *Fem.* Mari similis.

Hab. S.E. Brazil, Rio et Bahia: Pernambuco (*Forbes*).

Mus. P. L. S. et S.-G.

Obs. Sim. præcedenti, sed subalaribus et tibiis flavis distinguendus.

10. Icterus hypomelas.

Icterus dominicensis et *I. virescens*, Vigors, Zool. Journ. iii. p. 441 (1828).

Pendulinus hypomelas, Bp. Consp. i. p. 433; Cassin, Pr. Ac. Sc. Phil. 1867, p. 59.

Xanthornus dominicensis, Cab. J. f. O. 1856, p. 10; d'Orb. in La Sagra's Cuba, ii. p. 92, t. xix. bis.

Icterus dominicensis, Albrecht, J. f. O. 1861, p. 212; Scl. et Salv. Nomencl. p. 36.

Psarocolius melanopsis, Wagl. Isis, 1829, p. 759.

Nigerrimus; dorso postico, tectricibus alarum minoribus, subalaribus crisso et tibiis flavis; rostro et pedibus nigris: long. tota 7·8, alæ 3·6, caudæ 3·4. *Jr.* Virescens, alis caudâque fuscis, gutture nigro.

Hab. Cuba.

Mus. P. L. S. et S.-G.

11. Icterus dominicensis.

Oriolus dominicensis, Linn. S. N. i. p. 163.

Carouge de St. Domingue, Daub. Pl. Enl. 5. fig. 2.

Pendulinus flavigaster, Vieill. N. D. v. p. 317, et Enc. Méth. p. 705.

Icterus dominicensis, Daud. Tr. d'Orn. ii. p. 335; Sallé, P. Z. S. 1857, p. 232; Scl. Cat. A. B. p. 131; Scl. et Salv. Nomencl. p. 36.

Pendulinus dominicensis, Cass. Pr. Ac. Sc. Phil. 1867, p. 58.

Nigerrimus; dorso postico, tectricibus alarum minoribus, subalaribus, crisso, tibiis et hypochondriis flavis; rostro et pedibus nigris: long. tota 7·5, alæ 3·6, caudæ 3·4.

Hab. St. Domingo.

Mus. P. L. S. et S.-G.

Obs. Similis *I. hypomelano,* sed hypochondriis flavis.

12. Icterus portoricensis.

Icterus dominicensis, var. *portoricensis,* Bryant, Pr. N. H. Soc. Boston, 1866, p. 254; Sund. K. Vet. Ak. Förh. 1869, p. 597.

Icterus dominicensis, Taylor, Ibis, 1864, p. 167.

Pendulinus portoricensis, Cassin, Pr. Ac. Sc. Phil. 1867, p. 58.

Icterus portoricensis, Scl. et Salv. Nomencl. p. 36.

Xanthornus portoricensis, Gundl. Añ. de Hist. Nat. Madrid, vii. p. 210 (1878).

Nigerrimus; dorso postico, tectricibus alarum minoribus, subalaribus, tibiis, ventre imo et crisso toto flavis; rostro et pedibus nigris: long. tota 7·6, alæ 3·6, caudæ 3·4. *Jr.* Fusco-virescens, subtùs flavus, alis fuscis.

Hab. Portorico.

Mus. P. L. S. et S.-G.

Obs. Sp. duabus præcedentibus similis, sed hypochondriis nigris ab *I. dominicensi,* ab *I. hypomelano* ventre imo flavo distinguenda.

13. Icterus laudabilis.

Icterus laudabilis, Scl. P. Z. S. 1871, p. 270, pl. xxi., et 1872, p. 649.

Nigerrimus; dorso postico, tectricibus alarum superioribus minoribus, subalaribus et ventre inferiore toto cum late-

ribus et crisso aurantiaco-flavis ; rostro et pedibus nigris : long. tota 8·9, alæ 4·3, caudæ 4·2.

Hab. St. Lucia, W. I.

Mus. P. L. S. et S.-G.

Obs. Sp. a tribus præcedentibus statura majore et colore flavo-aurantiaco distinguenda.

14. Icterus oberi.

Icterus oberi, Lawr. Proc. U.S. Nat. Mus. iii. p. 351 (1880); Grisdale, Ibis, 1882, p. 487, pl. xiii.

Niger; dorso postico et subalaribus flavis; ventre toto cum crisso aurantiaco-flavis ; rostro et pedibus nigris : long. tota 8·0, alæ 3·6, caudæ 4·0. *Jr.* Olivaceus, subtùs flavus, alis fuscis.

Hab. Montserrat, W. I.

Mus. P. L. S.

Obs. Affinis *I. laudabili,* sed tectricibus alarum minoribus superioribus nigris, et ventre latiore flavo diversus.

15. Icterus wagleri.

Psarocolius flavigaster, Wagl. Isis, 1829, p. 756 (nec Vieill.).

Pendulinus dominicensis, Bp. Consp. p. 432 (nec Linn.); Baird, B. N. Am. p. 545.

Icterus wagleri, Sclater, P. Z. S. 1857, p. 7, et 1859, p. 381; Cat. A. B. p. 131; Sumichrast, Mem. Bost. Soc. N. H. i. p. 552; Sclat. et Salv. Ibis, 1859, p. 20; Nomencl. p. 36; Baird, Birds Mex. Bound. Surv. p. 19, t. xix. fig. 2.

Pendulinus wagleri, Cassin, Pr. Ac. Sc. Phil. 1867, p. 55.

Icterus dominicensis, Baird, Brew. et Ridg. N. A. B. ii. p. 182 (pt.).

Nigerrimus; dorso postico, tectricibus alarum minoribus et ventre flavis, hoc interdum aurantiaco ; crisso nigro ; alis caudâque nigris: long. tota 9·0, alæ 4·2, caudæ 4·5. *Fem.* Mari similis.

Hab. South Mexico and Guatemala: Cordova (*Sum.*); Oaxaca (*Fenochio, Mus. S.-G.*); Presidio (*Forrer*); Dueñas (*Salvin*).

Mus. P. L. S. et S.-G.

Obs. Ab *Ict. prosthemelano* crassitie majore et crisso nigro diversus.

16. Icterus prosthemelas.

Xanthornus prosthemelas, Strickl. Contr. Orn. 1850, p. 120, pl. 62.

Pendulinus lessoni, Bp. Consp. p. 432 (?).

Icterus prosthemelas, Sclater, P. Z. S. 1856, p. 301, 1857, p. 7, et Cat. A. B. p. 132; Sclat. et Salv. Ibis, 1859, p. 20; P. Z. S. 1867, p. 279 (Mosquitia), 1870, p. 837 (Honduras); Nomencl. p. 36; Lawr. Bull. U.S. N. M. no. 4, p. 23 (Tehuantepec).

Pendulinus prosthemelas, Cassin, Pr. Ac. Sc. Phil. 1867, p. 56.

Nigerrimus; dorso postico, tectricibus alarum minoribus et ventre cum crisso flavis; rostro et pedibus nigris: long. tota 7·7, alæ 3·5, caudæ 3·8.

Hab. Tehuantepec, Guatemala, and southwards to Costarica. Tehuantepec (*Sumichrast*); Vera Paz (*Salvin*); Honduras (*Whitely*); Costarica (*Carmiol et Arcé*).

Mus. P. L. S. et S.-G.

17. Icterus maculi-alatus.

Icterus maculi-alatus, Cassin, Journ. Acad. Philad. ser. 2, i. pl. 16. f. 1; Pr. Acad. Sc. Phil. 1867, p. 56; Scl. Cat. A. B. p. 132; Scl. et Salv. Ibis, 1860, p. 398, et Nomencl. p. 36.

Pendulinus maculi-alatus, Bp. Consp. p. 433.

Nigerrimus; dorso postico, tectricibus alarum minoribus et abdomine cum crisso flavis; tectricibus alarum majoribus maculâ apicali albâ et remigibus externis apicem versus strigâ albâ ornatis; rostro et pedibus nigris: long. tota 7·0, alæ 3·9, caudæ 3·3. *Fem.* Virescens, subtùs flavicans, gutture nigro, alis extùs fuscis.

Hab. Pacific coast of Guatemala (*Salvin*); Escuintla (*Fraser*).

Mus. P. L. S. et S.-G.

Obs. Species maculis alarum facilè notabilis.

18. Icterus auricapillus.

Icterus auricapillus, Cassin, Proc. Ac. Sc. Phil. 1847, p. 332, et Journ. Acad. Philad. ser. 2, i. pl. 16. f. 2; Scl. Cat. A. B. p. 132; Scl. et Salv. P. Z. S. 1868, p. 167 (Caripé),

et Nomencl. p. 36; Finsch, P. Z. S. 1870, p. 553; Salv. et Godman, Ibis, 1880, p. 123 (Santa Marta).

Pendulinus auricapillus, Bp. Consp. p. 433; Cassin, Pr. Ac. Sc. Phil. 1867, p. 56.

Suprà nigerrimus, tectricibus alarum minoribus et dorso postico flavis; pileo et nuchâ aurantiaco-flavis; subtùs flavus, gutture lato et faciei lateribus cum fronte nigris; subalaribus flavis; rostro et pedibus nigris: long. tota 7·5, alæ 3·5, caudæ 3·5. *Fem.* Mari similis.

Hab. Coast-region of Venezuela and Colombia; Caripé (*Goering*); Santa Marta (*Simons*); Bogota (*Mus. P. L. S.*).

Mus. P. L. S. et S.-G.

Obs. Species pileo nitidè aurantiaco distinctissima; ab *I. cucullato* tectricibus flavis et remigibus non albo marginatis dignoscenda.

19. Icterus cucullatus.

Icterus cucullatus, Sw. Phil. Mag. 1827, i. p. 436; Lawr. Ann. Lyc. N.Y. v. p. 116; Cassin, Ill. B. Calif. p. 42, pl. 8; Sclater, P. Z. S. 1856, p. 301 (Cordova), 1864, p. 175 (City of Mexico), et Cat. A. B. p. 132; Scl. et Salv. Ibis, 1859, p. 20 (Belize), et Nomencl. p. 36; Salv. Ibis, 1859, p. 466 (Belize); Baird, Brewer, et Ridgw. B. N. A. ii. p. 193; Sumichrast, Mem. Boston S. N. H. i. p. 553 (hot district of Vera Cruz); Baird, B. N. Am. p. 546.

Pendulinus cucullatus, Bp. Consp. p. 433; Cassin, Pr. Ac. Sc. Phil. 1867, p. 60.

Suprà aurantiaco-flavus; fronte, interscapulio et alis extùs nigris, his albo marginatis; tectricibus mediis latè albis; subtùs flavus dorso concolor, gutture toto ad medium pectus cum lateribus faciei nigerrimis; caudâ nigrâ vix albo terminatâ; rostro et pedibus nigris: long. tota 7·4, alæ 3·3, caudæ 3·5. *Fem.* Flavido-olivacea, subtùs flavicans, gutture nigro, alis fuscis albo limbatis.

Hab. America, from Texas and Cape St. Lucas southwards to Belize, breeding in Tamaulipas and New Leon (*Couch*) and at Cape St. L[illegible] *Xantus*); Northern Yucatan (*Gaumer*).

Mus. P. L. S. et S.-G

20. Icterus parisorum.

Icterus parisorum, Bp. P.Z.S. 1837, p. 110; Sclater, P.Z.S. 1858, p. 303 (Oaxaca), 1860, p. 251, 1864, p. 175, et Cat. A. B. p. 132; Cassin, Pr. Ac. Sc. Phil. 1867, p. 56; Scl. et Salv. Nomencl. p. 36; Sumichrast, Mem. Boston S. N. H. i. p. 553 (Orizaba); Baird, Brewer, et Ridgw. N. A. B. ii. p. 188; Baird, B. N. Am. p. 544.

Icterus melanochrysurus, Less. Rev. Zool. 1839, p. 105.

Icterus scottii, Couch, Pr. Acad. Philad. vii. p. 66.

Xanthornus parisorum, Bp. Consp. p. 434.

Suprà nigerrimus, dorso postico et tectricibus alarum minoribus flavis; tectricibus majoribus ad basin albis, albo quoque extùs terminatis; subtùs ad medium pectus niger capiti concolori; abdomine et tectricibus subalaribus flavis; caudæ ad basin flavæ dimidio apicali et rectricibus duabus mediis pro majore parte nigris; rostro et pedibus nigris: long. tota 7·5, alæ 4·0, caudæ 3·4. *Fem.* Olivacea, fusco irrorata, alis et caudâ nigricantibus, his albo limbatis; subtùs flavicantior, ventre medio clariore.

Hab. N. America, from Rio Grande and Lower California to South Mexico; breeding at Cape St. Lucas, L. C. (*Xantus*); Oaxaca (*Boucard*).

Mus. P. L. S. et S.-G.

Obs. Sp. caudæ paginâ inferiore flavo et nigro bipartitâ insignis.

21. Icterus melanocephalus.

Psarocolius melanocephalus, Wagl. Isis, 1829, p. 756.

Icterus melanocephalus, Baird, B. N. Am. p. 543; Sclater, P. Z. S. 1858, p. 97, et Cat. A. B. p. 132; Scl. et Salv. Nomencl. p. 36; Cassin, Pr. Ac. Sc. Phil. 1867, p. 53; Baird, Brew. et Ridgw. N. A. B. ii. p. 186; Sumichrast, Mem. Boston S. N. H. i. p. 553; Lawr. Bull. U.S. N. H. M. no. 4, p. 23 (Tehuantepec).

Xanthornus melanocephalus, Bp. Consp. p. 434 (partim); Hahn u. Küster, Vög. aus Asien, Lief. vi. p. 2, t. 3 (?).

Oleagineo-flavus, capite toto, alis extùs et caudâ nigris, tectricibus alarum minoribus flavis; subtùs flavus, gutture toto ad medium pectus nigro, capite concolori; rostro et pedibus nigris: long. tota 7·2, alæ 3·4, caudæ 3·9.

Hab. Mexico, Orizaba and Tehuantepec (*Sumichrast*).
Mus. P. L. S.

22. Icterus auduboni.

Icterus audubonii, Giraud, B. Texas, p. 1; Baird, B. N. Am. p. 542; Sclater, P. Z. S. 1859, p. 381 (Oaxaca), 1864, p. 175 (City of Mexico), et Cat. A. B. p. 132; Scl. et Salv. Nomencl. p. 36; Cassin, Pr. Ac. Sc. Phil. 1867, p. 53; Sumichrast, Mem. Bost. S. N. H. i. p. 553 (Orizaba).

Icterus melanocephalus, Cassin, Ill. B. Calif. p. 137, pl. 21; Sclater, P. Z. S. 1856, p. 301, et 1859, p. 365 (Jalapa).

Icterus melanocephalus, var. *auduboni*, Baird, Brew. et Ridgw. N. A. B. ii. p. 186.

Suprà oleagineo-flavus; capite toto, alis extùs et caudâ nigris; tectricibus minoribus flavis, secundariis extùs angustè albo limbatis; subtùs flavus, gutture et pectore medio nigerrimis capiti concoloribus; rostro et pedibus nigris: long. tota 8·0, alæ 3·8, caudæ 3·6. *Fem.* Mari similis.

Hab. N. America, from valley of Rio Grande south to Orizaba and Oaxaca.

Mus. P. L. S. et S.-G.

Obs. Species mihi adhuc paulum dubia, a præcedente remigum marginibus albis et crassitie majore vix distinguenda.

† 23. Icterus giraudi.

Icterus giraudii, Cassin, Pr. Ac. Sc. Phil. 1847, p. 333, 1860, p. 140 (R. Truando), et 1867, p. 52; id. Journ. Acad. Philad. ser. 2, i. p. 138, pl. 17; Sclater, P. Z. S. 1855, p. 154 (Bogota), et 1857, p. 228 (Vera Cruz), et Cat. A. B. p. 133; Sclat. et Salv. Ibis, 1859, p. 20 (Guatemala), 1864, p. 353 (Panama), 1868, p. 167 (Caracas), 1879, p. 509 (Antioquia), et Nomencl. p. 36; Salvin, P. Z. S. 1867, p. 142, et 1870, p. 190 (Veragua).

Icterus melanopterus, Hartl. Rev. Zool. 1849, p. 275; Bp. Consp. i. p. 434.

Flavus aurantiaco tinctus; fronte et lateribus capitis cum gutture toto ad medium pectus, alis et caudâ nigris; rostro et pedibus nigris: long. tota 8·0, alæ 3·9, caudæ 3·8. *Fem.* Mari similis.

Hab. S. Mexico, Yucatan, Guatemala, and throughout Central America south to Venezuela and Colombia.

Mus. P. L. S. et S.-G.

Obs. Sp. interscapulio flavo a duabus sequentibus distinguenda.

24. Icterus mesomelas.

Psarocolius mesomelas, Wagl. Isis, 1829, p. 755.

Xanthornus mesomelas, Bp. Consp. i. p. 434.

Icterus mesomelas, Sclater, P. Z. S. 1855, p. 154 (Bogota), 1856, p. 301 (Cordova), 1859, p. 58 (Omoa, Hond.), 1860, pp. 277, 293 (Western Ecuador), et Cat. A. B. p. 133; Sclat. et Salv. Ibis, 1860, p. 34 (Coban); P. Z. S. 1864, p. 355 (Panama), 1867, p. 279 (Mosquitia), 1870, p. 838 (Honduras), 1879, p. 509 (Antioquia), et Nomencl. p. 36; Cassin, Pr. Ac. Sc. Phil. 1860, p. 140 (R. Atrato), et 1867, p. 51; Tacz. P. Z. S. 1877, p. 323 (Tumbez), et 1880, p. 200 (N. Peru); Sumichrast, Mem. Bost. Soc. N. H. i. p. 153 (Vera Cruz); Lawr. Bull. U.S. N. M. no. 4, p. 23.

Icterus atrigularis, Less. Cent. Zool. p. 73, pl. 22.

Oriolus musicus, Cabot, Boston Journ. N. H. iv. p. 465.

Icterus salvini, Cassin, Pr. Ac. Sc. Phil. 1867, p. 51; Scl. et Salv. P. Z. S. 1870, p. 838; Lawr. Ann. Lyc. N. Y. ix. p. 104.

Flavissimus; interscapulio lato, alis extùs, fronte, oculorum ambitu et gutture toto ad medium pectus nigerrimis; tectricibus alarum minoribus et subalaribus flavis; caudæ nigræ rectricibus tribus externis pro majore parte flavis; rostro et pedibus nigris: long. tota 8·5, alæ 3·9, caudæ 4·2. *Fem.* Mari similis.

Hab. Southern Mexico and Guatemala and southwards to Colombia, Ecuador, and Western Peru. Hot-region of Vera Cruz and Tehuantepec (*Sumichrast*); Vera Paz (*Salvin*); Antioquia (*Salmon*); Western Ecuador (*Fraser*); Western Peru (*Stolzmann*).

Mus. P. L. S. et S.-G.

I. salvini of Costa Rica and Colombia has been separated mainly on account of the absence of the narrow white external edging of the outer secondaries. But this edging is

certainly quite apparent in some Bogotá specimens, and is also well marked in examples from Western Peru. It does not seem to me to be a constant character, and I cannot recognize the species.

25. Icterus grace-annæ. (Plate XI.)

Icterus grace-annæ, Cass. Pr. Ac. Sc. Phil. 1867, p. 52; Tacz. P. Z. S. 1877, p. 323 (Tumbez); Salvin, Ibis, 1874, p. 323; Scl. et Salv. P. Z. S. 1878, p. 137 (Pacasmayo).

Flavissimus, aurantiaco tinctus; interscapulio lato, alis et caudâ, fronte, oculorum ambitu et gutture ad medium pectus nigerrimis; tectricibus alarum minoribus flavis; secundariorum plagâ oblongâ et rectricum externarum apicibus albis; rostro et pedibus nigris: long. tota 7·5, alæ 3·5, caudæ 3·7. *Fem.* Mari similis.

Hab. Littoral of Ecuador and N.W. Peru. Machala (*Orton*), Tumbez (*Jelski*), Pacasmayo (*Steere*), Payta (*Markham, Mus. S.-G.*).

Mus. P. L. S. et S.-G.

Obs. Sp. maculâ alari albâ notabilis.

The figure (Pl. XI.) is taken from a female specimen in my collection obtained at Tumbez by Jelski and Stolzmann.

26. Icterus xanthornus.

Oriolus xanthornus, Gm. S. N. i. p. 391.

Carouge de Mexique, Daub. Pl. Enl. 5. fig. 1.

Xanthornus linnæi, Bp. Consp. p. 434.

Icterus xanthornus, Daud. Tr. d'Orn. ii. p. 334; Cab. in Schomb. Guian. iii. p. 680, et Mus. Hein. p. 185; Burm. Syst. Ueb. iii. p. 269; Scl. Cat. A. B. p. 133; Cassin, Pr. Ac. Phil. 1867, p. 50; Scl. et Salv. P. Z. S. 1868, p. 167 (Venezuela), et Nomencl. p. 36; Taylor, Ibis, 1864, p. 84 (Trinidad); Salv. et Godm. Ibis, 1880, p. 123 (Santa Marta); Finsch, P. Z. S. 1870, p. 578 (Trinidad); Pelz. Orn. Bras. p. 195.

Flavissimus, loris et gutture medio nigerrimis; alis caudâque nigris; tectricibus minoribus flavis; tectricum et remigum marginibus externis angustè albis; caudâ ad basin flavâ; rostro et pedibus nigris: long. tota 7·2, alæ 3·6, caudæ 3·2. *Fem.* Mari similis.

G. Newman del. ICTERUS GRACE-ANNÆ Hanhart imp.

Hab. Coast-region of Colombia and Venezuela, Trinidad, Guiana, and Rio Negro. Santa Marta (*Simons*); Carupano, Venezuela (*Goering*); Demerara (*Brown*); Rio Brancho (*Natt.*).

Mus. P. L. S. et S.-G.

27. Icterus auratus.

Icterus auratus, Bp. Consp. i. p. 435; Lawr. Ann. Lyc. N. Y. ix. p. 271 (Yucatan).

Intense aurantiaco-flavus, loris et gutture medio nigerrimis; alis nigris; tectricibus minoribus flavis, tectricum mediarum apicibus latis et remigum marginibus externis necnon rectricum externarum apicibus angustis albis; subalaribus flavis; remigum marginibus internis albis; rostro et pedibus nigris: long. tota 8·0, alæ 3·7, caudæ 3·6.

Hab. Yucatan (*Gaumer*).

Mus. S.-G.

Obs. Species colore aurantiaco et tectricum mediarum maculis latè albis ab *I. xanthorno* dignoscenda.

C. Subg. Icterus.

Clavis specierum.

a. Gulæ plumis angustatis, elongatis;
- interscapulio nigro;
  - tectr. al. mediis latè albis ..... (28) *vulgaris.*
  - tectr. al. mediis nigris ..... (29) *jamacaii.*
- interscapulio dorso concolori ..... (30) *croconotus.*

b. Gulæ plumis normalibus;
- interscapulio nigro; mac. pect. nullis
  - rostro robustiore ..... (31) *gularis.*
  - rostro debiliore ..... (32) *sclateri.*
  - rostro incurviore ..... (33) *formosus.*
- interscapulio nigro; pectore maculato ..... (34) *pectoralis.*
- interscapulio flavo nigro maculato ..... (35) *pustulatus.*
- interscapulio flavo ..... (36) *graysoni.*
- interscapulio flavicanti-olivaceo ..... (37) *leucopteryx.*

28. Icterus vulgaris.

Oriolus icterus, Linn. S. N. i. p. 161.

Icterus vulgaris, Daud. Tr. d'Orn. ii. p. 340; Bp. Consp. p. 434; Baird, B. N. Am. p. 542; Scl. Cat. A. B. p. 133;

Scl. et Salv. P. Z. S. 1868, p. 167 (Venezuela), et Nomencl. p. 36; Finsch, P. Z. S. 1870, p. 578 (Trinidad); Cassin, Pr. Ac. Sc. Phil. 1867, p. 46; Salv. et Godm. Ibis, 1879, p. 200 (Santa Marta).

Icterus longirostris, Vieill. Nouv. Dict. xxxiv. p. 547; Bp. Consp. i. p. 435; Cassin, Pr. Ac. Sc. Phil. 1867, p. 46.

Aurantiaco-flavus; capite toto cum gutture, interscapulio et caudâ nigerrimis; alis extùs nigris, harum tectricibus minoribus aurantiacis, mediis cum secundariorum marginibus externis albis; rostro nigro, ad basin plumbeo; pedibus fuscis: long. tota 10·0, alæ 4·6, caudæ 4·0. *Fem.* Mari similis.

Hab. Coast-region of Colombia, Venezuela, and Trinidad. Valle Dupar (*Simons*); Carupano (*Goering*).

Mus. P. L. S. et S.-G.

Obs. Species a duabus sequentibus plagâ alarum latâ albâ et gulæ plumis longioribus distinguenda.

29. Icterus jamacaii.

Oriolus jamacaii, Gm. S. N. i. p. 391.

Icterus jamacaii, Daud. Tr. d'Orn. ii. p. 335; Max. Beitr. iii. p. 1199; Bp. Consp. p. 435; Cab. Mus. Hein. p. 185; Burm. Syst. Ueb. iii. p. 268; Scl. Cat. A. B. p. 133; Scl. et Salv. Nomencl. p. 36.

Xanthornus aurantius, Hahn u. Küster, Vög. aus Asien, Lief. vi. p. 1, t. 1 (1850).

Icterus aurantius, Cassin, Pr. Ac. Sc. Phil. 1867, p. 47.

Rubro-aurantiacus, capite toto cum gutture interscapulio et caudâ nigerrimis; alis nigris, harum tectricibus minoribus aurantiacis, mediis et majoribus nigris; secundariorum marginibus externis albis; rostro nigro, ad basin plumbeo; pedibus nigris: long. tota 8·5, alæ 3·9, caudæ 3·8. *Fem.* Mari similis, sed paulo minor et minus nitida.

Hab. S.E. Brazil: Ceará (*Jesse*); interior of Minas and Bahia (*Wied*).

Mus. P. L. S. et S.-G.

30. Icterus croconotus.

Psarocolius croconotus, Wagl. Isis, 1829, p. 757.

Icterus croconotus, Gray, Gen. B. p. 343; Bp. Consp.

p. 435; Scl. Cat. A. B. p. 133; Cassin, Pr. Ac. Sc. Phil. 1867, p. 47; Scl. et Salv. P. Z. S. 1873, p. 266 (Upper Amazons), 1879, p. 608 (Bolivia), et Nomencl. p. 36; Layard, Ibis, 1873, p. 381 (Para); Pelz. Orn. Bras. p. 195.

Icterus jamacaii, Cab. in Schomb. Guian. iii. p. 679.

Rubro-aurantiacus, fronte latâ et capitis lateribus cum gutture et caudâ nigerrimis; alis nigris, harum tectricibus minoribus aurantiacis, mediis et majoribus nigris; secundariorum marginibus externis albis; rostro nigro ad basin plumbeo; pedibus nigris: long. tota 8·0, alæ 3·8, caudæ 3·9. *Fem.* Mari similis.

Hab. Guiana et Amazonia tota usque ad Boliviam. Cuyaba et Rio Brancho (*Natt.*); Guiana (*Brown*); Sarayacu, Ecuador (*Buckley*).

Mus. P. L. S. et S.-G.

Obs. Species *I. jamacai* proxima, sed pileo et interscapulio aurantiacis diversa.

31. Icterus gularis.

Psarocolius gularis, Wagl. Isis, 1829, p. 754.

Icterus gularis, Bp. Consp. p. 435; Sclater, P. Z. S. 1837, pp. 205, 228, 1858, p. 358 (Honduras), et 1859, p. 365; Cat. A. B. p. 134; Scl. et Salv. Ibis, 1859, p. 19 (Guatemala), et Nomencl. p. 36; Salv. Ibis, 1859, p. 468, et 1860, p. 195; Taylor, Ibis, 1860, p. 111 (Brit. Hond.); Cassin, Pr. Ac. Sc. Phil. 1867, p. 49; Owen et Salv. Ibis, 1861, p. 62; Lawr. Bull. U.S. N. M. no. 4, p. 23; Des Murs, Icon. Orn. pl. 9.

Icterus mentalis, Less. Cent. Zool. p. 111, pl. 41.

Aurantiaco-flavus, interscapulio, caudâ, loris et gutture medio producto nigerrimis; alis nigris albo marginatis, harum tectricibus minoribus flavis; rostro (crasso) et pedibus nigris: long. tota 10·0, alæ 4·7, caudæ 4·5. *Fem.* Flava, gutture nigro, interscapulio fusco-viridi, alis fuscis extùs albo limbatis.

Hab. Southern Mexico, Yucatan, British Honduras, and Guatemala.

Mus. P. L. S. et S.-G.

32. Icterus sclateri.

Icterus mentalis, Cab. Mus. Hein. p. 185 (note); Scl. Cat.

A. B. p. 134; Scl. et Salv. Ibis, 1860, p. 275 (San Geronimo); Salv. Ibis, 1861, p. 62.

Icterus sclateri, Cassin, Pr. Ac. Sc. Phil. 1867, p. 49; Scl. et Salv. Nomencl. p. 36.

Similis præcedenti, sed crassitie minore et rostro multo debiliore, caudâ quoque albo terminatâ, ut videtur diversus; interscapulio in mari adulto, sicut in sp. præcedente, omninò nigro.

Hab. Guatemala, San Geronimo (*Salvin*).

33. Icterus formosus.

Icterus formosus, Lawr. Ann. Lyc. N. Y. x. p. 184, et Bull. U.S. Nat. Mus. no. 4, p. 23.

Similis *I. sclateri*, sed crassitie minore, colore saturatiùs aurantiaco, rostro magis incurvo, et interscapulii plumis ad basin grisescenti-albis (teste Lawrencio) diversus.

Hab. Tehuantepec (*Sumichrast*).

Mus. S.-G.

Messrs. Salvin and Godman's three specimens of this species (which are the only examples that I have seen) consist of two young males and a female, in which stage they are very like the corresponding forms of *I. sclateri*. I must say that I am not quite convinced of their distinctness, especially as the fully adult *I. sclateri* has a very deep orange plumage*.

34. Icterus pectoralis.

Psarocolius pectoralis, Wagl. Isis, 1829, p. 755.

Icterus pectoralis, Bp. Consp. p. 435; Sclater, P. Z. S. 1857, p. 205; Ibis, 1873, p. 373 (Nicaragua); Cat. A. B. p. 134; Sclat. et Salv. Ibis, 1859, p. 20, et Nomencl. p. 36; Lawr. Bull. U.S. N. M. no. 4, p. 23; Cassin, Pr. Ac. Sc. Phil. 1867, p. 48; Des Murs, Icon. Orn. pl. 10.

Icterus guttulatus, Lafr. Mag. de Zool. 1844, pl. 52; Cab. J. f. O. 1861, p. 9 (Costa Rica).

Icterus pectoralis espinachii, Nutting, Proc. U.S. Nat. Mus. 1882, p. 392 (Costa Rica).

Aurantiaco-flavus; interscapulio, caudâ, loris et gutture medio producto cum maculis pectoralibus nigris; alis nigris

* Mr. Ridgway has just sent me for examination one of Mr. Lawrence's types of *I. formosus* (adult male), which I must confess I cannot distinguish from *I. sclateri*.—July 6th, 1883.

albo marginatis, harum tectricibus minoribus flavis; rostro et pedibus nigris: long. tota 9·0, alæ 4·3, caudæ 4·1. *Fem.* Mari similis, sed obscurior, interscapulio olivaceo nigro variegato.

Hab. S. Mexico, Guatemala, Costa Rica, and Nicaragua. Tehuantepec and Chiapas (*Sumichrast, Mus. S.-G.*); Vera Paz (*Salvin*); Chontales (*Belt*).

Mus. P. L. S. et S.-G.

Obs. Similis duabus præcedentibus, sed maculis pectoralibus dignoscendus.

35. Icterus pustulatus.

Psarocolius pustulatus, Wagl. Isis, 1829, p. 757.

Icterus pustulatus, Bp. Consp. p. 435; Sclater, P. Z. S. 1858, p. 303 (Oaxaca); Cat. A. B. p. 134; Scl. et Salv. Nomencl. p. 36, et Exotic Ornith. p. 47, pl. xxiv.; Cassin, Pr. Ac. Phil. 1867, p. 48; Sumichrast, Mem. Bost. Soc. N. H. i. p. 553 (Vera Cruz).

Pendulinus californicus, Less. Rev. Zool. 1844, p. 436, et Descr. d. Mamm. et Ois. p. 333 (?).

Aurantiacus, rubro tinctus; interscapulio nigro guttato; alis caudâque nigris, illis albo marginatis et hujus apice angustè albo; loris et gutture toto nigris; subalaribus flavis, remigum marginibus interioribus albis; rostro et pedibus plumbeis: long. tota 8·5, alæ 4·0, caudæ 3·8, tarsi 0·9. *Fem.* Omnino dilutior et magis flavescens, interscapulio olivaceo nigro guttato.

Hab. Southern Mexico. Hot-region of Vera Cruz (*Sumichrast*); Acapulco (*Capt. Markham in Mus. S.-G.*); Mazatlan and Presidio (*Forrer*); La Parada, near Oaxaca (*Boucard*).

Mus. P. L. S. et S.-G.

Obs. Species interscapulii maculis ovalibus distinctissima.

As mentioned in our article in 'Exotic Ornithology,' Messrs. Salvin and Godman have a skin of a young bird of the present species, purchased of a London dealer, with one of Mr. Gruber's printed labels on it, on which is written:—"*Icterus cucullatus*, Hooded Oriole, Cape S. Lucas, May 1861. ♂. No. 178." There is certainly no improbability in this occurrence, as the species is met with on the Mexican coast just opposite.

36. Icterus graysoni.

Icterus graysonii, Cassin, Proc. Ac. Nat. Sci. Philad. 1867, p. 48.

Flavus aurantiaco tinctus, subtùs clarior; loris et gutture medio nigris; interscapulio maculis paucis nigris ornato; alis nigris albo marginatis, harum tectricibus minoribus flavis; caudâ nigrâ, rectricibus externis flavicanti-albo terminatis; subalaribus flavis; rostro et pedibus nigris: long. tota 7·5, alæ 4·0, caudæ 3·4. *Fem.* Suprà olivacea, subtùs flava, alis fuscis albo limbatis, caudâ olivaceâ.

Hab. Tres-Marias Islands, west of Mexico (*Grayson*).

Mus. P. L. S. et S.-G.

Apparently a modified descendant of *I. pustulatus,* with the interscapular spots obsolete.

37. Icterus leucopteryx.

Psarocolius leucopteryx, Wagl. Syst. Av. sp. 16.

Icterus leucopteryx, Gosse, B. Jam. p. 226; Bp. Consp. p. 436; Sclater, P. Z. S. 1861, p. 74; id. Cat. A. B. p. 134; Scl. et Salv. Nomencl. p. 36.

Pendulinus leucopteryx, Cassin, Pr. Ac. Sc. Phil. 1867, p. 59.

Icterus personatus, Temm. Pl. Col. sub tab. 482; Bp. Consp. p. 435.

Flavicanti-olivaceus, subtùs flavus; loris et gutture medio producto nigris; alis caudâque nigris, illarum tectricibus minoribus flavis, mediis cum secundariorum marginibus externis albis; subalaribus flavis; rostro plumbeo, pedibus nigris: long. tota 8·0, alæ 4·2, caudæ 3·6. *Fem.* Mari omninò similis.

Hab. Jamaica.

Mus. P. L. S. et S.-G.

[To be continued.]

XXXIII.—*Notices of recent Ornithological Publications.*

(Continued from p. 222.)

77. *Adamson's Book of Scraps.*

[Another Book of Scraps, principally relating to Natural History, with